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# EXHIBIT 4

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## Chiji Offor

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**From:** Thom Tarnay <ttarnay@tarnaylaw.com>  
**Sent:** Friday, August 4, 2023 4:19 PM  
**To:** Hatcher, Michael D.; Alex Jacobs; Chiji Offor; Ciccarelli, Max (EXTERNAL @ CICCARELLILAWFIRM.COM); Michael Shore; Abbey McNaughton  
**Cc:** Team-Purdue-ST; Sidley ST-Purdue - ST Team  
**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

**CAUTION: External Email!**

All –

I understand Sidley's email firewall may have blocked attached information. The email that was attached by Mike Hatcher is available here:

<https://tarnaylaw.sharefile.com/d-s9ca6041cace14e548e4691f9280408a7>

Best,  
Thom

---

### Thom Tarnay

**Thomas Tarnay PLLC**

2103 Virginia Place • Parker, TX 75094

📞 +1.214.395.8212

✉ [ttarnay@tarnaylaw.com](mailto:ttarnay@tarnaylaw.com)

---

**From:** Hatcher, Michael D. <mhatcher@sidley.com>  
**Sent:** Friday, August 4, 2023 3:05 PM  
**To:** Alex Jacobs <ajacobs@shorefirm.com>; Chiji Offor <coffor@shorefirm.com>; Ciccarelli, Max (EXTERNAL @ CICCARELLILAWFIRM.COM) <max@CiccarelliLawFirm.com>; Michael Shore <mshore@shorefirm.com>; Abbey McNaughton <amcnaughton@susmangodfrey.com>  
**Cc:** Team-Purdue-ST <Team-Purdue-ST@shorefirm.com>; Sidley ST-Purdue - ST Team <SidleySTPurdueSTTeam@sidley.com>  
**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

Counsel –

Plaintiff has not met and conferred with ST on the issue identified in this dispute chart. The chart is thus improperly served per the explicit rules of the Court as reflected in the OGP. ST will thus not be providing its portion.

In any event, attached to this email is the email from the German library providing the MARC record. I trust this resolves the purported issue. If Plaintiff believes it does not, Plaintiff needs to explain why and provide authority for whatever else it is requesting. We will then meet and confer and, after that conference, if there is still a dispute, then Plaintiff can send a dispute chart.

Best,  
Mike

**MICHAEL D. HATCHER**

**SIDLEY AUSTIN LLP**  
+1 214 981 3428  
[mhatcher@sidley.com](mailto:mhatcher@sidley.com)

---

**From:** Alex Jacobs <[ajacobs@shorefirm.com](mailto:ajacobs@shorefirm.com)>  
**Sent:** Tuesday, August 1, 2023 6:50 PM  
**To:** Chiji Offor <[coffor@shorefirm.com](mailto:coffor@shorefirm.com)>; Ciccarelli, Max (EXTERNAL @ CICCARELLILAWFIRM.COM) <[max@CiccarelliLawFirm.com](mailto:max@CiccarelliLawFirm.com)>; Michael Shore <[mshore@shorefirm.com](mailto:mshore@shorefirm.com)>; Abbey McNaughton <[amcnaughton@susmangodfrey.com](mailto:amcnaughton@susmangodfrey.com)>; Hatcher, Michael D. <[mhatcher@sidley.com](mailto:mhatcher@sidley.com)>  
**Cc:** Team-Purdue-ST <[Team-Purdue-ST@shorefirm.com](mailto:Team-Purdue-ST@shorefirm.com)>; Sidley ST-Purdue - ST Team <[SidleySTPurdueSTTeam@sidley.com](mailto:SidleySTPurdueSTTeam@sidley.com)>  
**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

Counsel,

Attached is Purdue's dispute chart regarding the Hall-Ellis native emails and attachments, as well as the cited exhibits. Please provide ST's portions by Friday, August 4<sup>th</sup> per the Court's OGP.

---

**From:** Chiji Offor <[coffor@shorefirm.com](mailto:coffor@shorefirm.com)>  
**Sent:** Tuesday, August 1, 2023 5:00 PM  
**To:** Max Ciccarelli <[max@CiccarelliLawFirm.com](mailto:max@CiccarelliLawFirm.com)>; Michael Shore <[mshore@shorefirm.com](mailto:mshore@shorefirm.com)>; Abbey McNaughton <[amcnaughton@susmangodfrey.com](mailto:amcnaughton@susmangodfrey.com)>; Hatcher, Michael D. <[mhatcher@sidley.com](mailto:mhatcher@sidley.com)>  
**Cc:** Team-Purdue-ST <[Team-Purdue-ST@shorefirm.com](mailto:Team-Purdue-ST@shorefirm.com)>; Sidley ST-Purdue - ST Team <[SidleySTPurdueSTTeam@sidley.com](mailto:SidleySTPurdueSTTeam@sidley.com)>  
**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

Counsel, please see the attached dispute chart.

Chijioke E. Offor  
The Shore Firm  
901 Main St., Ste 3300  
Dallas, TX 75202  
(214) 593-9128

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**From:** Max Ciccarelli <[max@CiccarelliLawFirm.com](mailto:max@CiccarelliLawFirm.com)>  
**Sent:** Tuesday, August 1, 2023 4:55 PM  
**To:** Max Ciccarelli <[max@CiccarelliLawFirm.com](mailto:max@CiccarelliLawFirm.com)>; Michael Shore <[mshore@shorefirm.com](mailto:mshore@shorefirm.com)>; Abbey McNaughton <[amcnaughton@susmangodfrey.com](mailto:amcnaughton@susmangodfrey.com)>; Hatcher, Michael D. <[mhatcher@sidley.com](mailto:mhatcher@sidley.com)>

**Cc:** Team-Purdue-ST <[Team-Purdue-ST@shorefirm.com](mailto:Team-Purdue-ST@shorefirm.com)>; Sidley ST-Purdue - ST Team <[SidleySTPurdueSTTeam@sidley.com](mailto:SidleySTPurdueSTTeam@sidley.com)>

**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

**CAUTION: External Email!**

Michael,

ST's insert is attached. If Purdue makes any changes, we want the opportunity to revise our section before the chart is sent to the Court.

Thanks.

**Max Ciccarelli**

Ciccarelli Law Firm

Cell: 469-939-1598

Email: [Max@CiccarelliLawFirm.com](mailto:Max@CiccarelliLawFirm.com)

Web: [www.CiccarelliLawFirm.com](http://www.CiccarelliLawFirm.com)

[vCard](#)

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**From:** Max Ciccarelli <[max@CiccarelliLawFirm.com](mailto:max@CiccarelliLawFirm.com)>

**Sent:** Tuesday, August 1, 2023 9:51 AM

**To:** Michael Shore <[mshore@shorefirm.com](mailto:mshore@shorefirm.com)>; Abbey McNaughton <[amcnaughton@susmangodfrey.com](mailto:amcnaughton@susmangodfrey.com)>; Hatcher, Michael D. <[mhatcher@sidley.com](mailto:mhatcher@sidley.com)>

**Cc:** Team-Purdue-ST <[Team-Purdue-ST@shorefirm.com](mailto:Team-Purdue-ST@shorefirm.com)>; Sidley ST-Purdue - ST Team <[SidleySTPurdueSTTeam@sidley.com](mailto:SidleySTPurdueSTTeam@sidley.com)>

**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

Michael,

We are working on a response. We are shooting to get that to you later today, probably not by 2:00 p.m. Yes, the Court deadline was yesterday, but we did not receive Purdue's chart sufficiently early to meet that deadline. I don't think the Court appreciates your unilateral emails, and I suggest you wait until you have ST's insert.

**Max Ciccarelli**

Ciccarelli Law Firm

Cell: 469-939-1598

Email: [Max@CiccarelliLawFirm.com](mailto:Max@CiccarelliLawFirm.com)

Web: [www.CiccarelliLawFirm.com](http://www.CiccarelliLawFirm.com)

[vCard](#)

---

**From:** Michael Shore <[mshore@shorefirm.com](mailto:mshore@shorefirm.com)>

**Sent:** Tuesday, August 1, 2023 9:45 AM

**To:** Abbey McNaughton <[amcnaughton@susmangodfrey.com](mailto:amcnaughton@susmangodfrey.com)>; Hatcher, Michael D. <[mhatcher@sidley.com](mailto:mhatcher@sidley.com)>

**Cc:** Team-Purdue-ST <[Team-Purdue-ST@shorefirm.com](mailto:Team-Purdue-ST@shorefirm.com)>; Sidley ST-Purdue - ST Team

<[SidleySTPurdueSTTeam@sidley.com](mailto:SidleySTPurdueSTTeam@sidley.com)>

**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

Abbey and Mike,

If this was not submitted yesterday as ordered by the Court, please make sure it gets submitted no later than 2pm today with or without the ST portion, and note ST's refusal to participate as ordered despite their statement on the record earlier that they would.

Best,

Michael

---

**From:** Abbey McNaughton <[AMcNaughton@susmangodfrey.com](mailto:AMcNaughton@susmangodfrey.com)>

**Sent:** Monday, July 31, 2023 4:56 PM

**To:** Hatcher, Michael D. <[mhatcher@sidley.com](mailto:mhatcher@sidley.com)>

**Cc:** Team-Purdue-ST <[Team-Purdue-ST@shorefirm.com](mailto:Team-Purdue-ST@shorefirm.com)>; Sidley ST-Purdue - ST Team <[SidleySTPurdueSTTeam@sidley.com](mailto:SidleySTPurdueSTTeam@sidley.com)>

**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

**CAUTION: External Email!**

Mike,

This deadline for a joint report is in the Court's scheduling order, which we have repeatedly discussed. It was not solely Purdue's obligation to initiate the charting process. You explicitly recognized at the May 11 hearing that the parties would submit a report today. Please confirm that you will provide your portion of the chart today so we can submit as ordered.

Best,

Abbey

**Abbey E. McNaughton | Susman Godfrey LLP**

713.650.4340 | c. 614.946.5156

1000 Louisiana St. | Suite 5100 | Houston, Texas 77002

HOUSTON • NEW YORK • LOS ANGELES • SEATTLE

[amcnaughton@susmangodfrey.com](mailto:amcnaughton@susmangodfrey.com)

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**From:** Hatcher, Michael D. <[mhatcher@sidley.com](mailto:mhatcher@sidley.com)>

**Sent:** Monday, July 31, 2023 4:20 PM

**To:** Abbey McNaughton <[AMcNaughton@susmangodfrey.com](mailto:AMcNaughton@susmangodfrey.com)>

**Cc:** Team-Purdue-ST <[Team-Purdue-ST@shorefirm.com](mailto:Team-Purdue-ST@shorefirm.com)>; Sidley ST-Purdue - ST Team <[SidleySTPurdueSTTeam@sidley.com](mailto:SidleySTPurdueSTTeam@sidley.com)>

**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

**EXTERNAL Email**

Abbey, if it is due today, you should have provided Trustees' portion last week. We will get you ST's portion within the same amount of time following the meet and confer that Trustees took to provide their portion.

Best,

Mike

**MICHAEL D. HATCHER**

**SIDLEY AUSTIN LLP**  
+1 214 981 3428  
[mhatcher@sidley.com](mailto:mhatcher@sidley.com)

---

**From:** Abbey McNaughton <[AMcNaughton@susmangodfrey.com](mailto:AMcNaughton@susmangodfrey.com)>  
**Sent:** Monday, July 31, 2023 3:38 PM  
**To:** Hatcher, Michael D. <[mhatcher@sidley.com](mailto:mhatcher@sidley.com)>  
**Cc:** Team-Purdue-ST <[Team-Purdue-ST@shorefirm.com](mailto:Team-Purdue-ST@shorefirm.com)>; Sidley ST-Purdue - ST Team <[SidleySTPurdueSTTeam@sidley.com](mailto:SidleySTPurdueSTTeam@sidley.com)>  
**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

Mike,

See attached for Purdue's position regarding the narrowing of references. This is due to the Court today.

Thank you,  
Abbey

**Abbey E. McNaughton | Susman Godfrey LLP**  
713.650.4340 | c. 614.946.5156  
1000 Louisiana St. | Suite 5100 | Houston, Texas 77002  
HOUSTON • NEW YORK • LOS ANGELES • SEATTLE  
[amcnaughton@susmangodfrey.com](mailto:amcnaughton@susmangodfrey.com)

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**From:** Hatcher, Michael D. <[mhatcher@sidley.com](mailto:mhatcher@sidley.com)>  
**Sent:** Monday, July 24, 2023 12:23 PM  
**To:** Abbey McNaughton <[AMcNaughton@susmangodfrey.com](mailto:AMcNaughton@susmangodfrey.com)>  
**Cc:** Team-Purdue-ST <[Team-Purdue-ST@shorefirm.com](mailto:Team-Purdue-ST@shorefirm.com)>; Sidley ST-Purdue - ST Team <[SidleySTPurdueSTTeam@sidley.com](mailto:SidleySTPurdueSTTeam@sidley.com)>  
**Subject:** RE: Purdue/ST - Meet and Confer re Narrowing of Prior Art

**EXTERNAL Email**

Abbey –

We can be available at 2:30 pm CT. Please send a meeting invite.

Best,  
Mike

**MICHAEL D. HATCHER**

**SIDLEY AUSTIN LLP**  
+1 214 981 3428  
[mhatcher@sidley.com](mailto:mhatcher@sidley.com)

---

**From:** Abbey McNaughton <[AMcNaughton@susmangodfrey.com](mailto:AMcNaughton@susmangodfrey.com)>  
**Sent:** Monday, July 24, 2023 8:06 AM  
**To:** Hatcher, Michael D. <[mhatcher@sidley.com](mailto:mhatcher@sidley.com)>  
**Cc:** Team-Purdue-ST <[Team-Purdue-ST@shorefirm.com](mailto:Team-Purdue-ST@shorefirm.com)>; Sidley ST-Purdue - ST Team  
<[SidleySTPurdueSTTeam@sidley.com](mailto:SidleySTPurdueSTTeam@sidley.com)>  
**Subject:** Purdue/ST - Meet and Confer re Narrowing of Prior Art

Mike,

Today is the deadline to confer regarding the narrowing of prior art references. Please let us know if your team is available to confer at 2:30 p.m. today.

Thank you,  
Abbey

**Abbey E. McNaughton | Susman Godfrey LLP**  
713.650.4340 | c. 614.946.5156  
1000 Louisiana St. | Suite 5100 | Houston, Texas 77002  
HOUSTON • NEW YORK • LOS ANGELES • SEATTLE  
[amcnaughton@susmangodfrey.com](mailto:amcnaughton@susmangodfrey.com)

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## Chiji Offor

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**From:** TIB Customerservice <Customerservice@tib.eu>  
**Sent:** Monday, March 6, 2023 5:58 AM  
**To:** Saleh, Dahlia  
**Subject:** AW: Your request 218119318 (WORLDSHARE) / MARC  
**Attachments:** Title in MARC-format.docx; k10plus-MARC21\_FL-download.txt

Dear Dahlia,

see attached the book description including library holdings copied as MARC-record display in 2 versions.

Hope this will suffice to help.

Kind regards

i.A. Frank Gottke

German National Library of Science and Technology (TIB)  
Customer Service

Welfengarten 1 B // 30167 Hannover, Germany  
T +49 511 762-8989 // F +49 511 762-8998

[customerservice@tib.eu](mailto:customerservice@tib.eu)  
[www.tib.eu](http://www.tib.eu)

---

**Von:** Saleh, Dahlia [mailto:dsaleh@sidley.com]  
**Gesendet:** Freitag, 3. März 2023 18:45  
**An:** TIB Customerservice  
**Betreff:** RE: Your request 218119318 (WORLDSHARE)

Thank you very much for sending. Is it possible to also send me the Marc record for this?

Best,

**DAHLIA SALEH**  
Research Manager

**SIDLEY AUSTIN LLP**  
+1 312 456 5408  
[dsaleh@sidley.com](mailto:dsaleh@sidley.com)

---

**From:** TIB Customerservice <[Customerservice@tib.eu](mailto:Customerservice@tib.eu)>  
**Sent:** Friday, March 3, 2023 11:43 AM  
**To:** Saleh, Dahlia <[dsaleh@sidley.com](mailto:dsaleh@sidley.com)>  
**Subject:** Your request 218119318 (WORLDSHARE)



Dear Ms. Saleh,

Thank you for your order 218119318 (WORLDSHARE).

Because you don't need the book „Silicon carbide recent major advances“ the requested title and verso page is attached.

Please cancel this request in your order system.

Kind regards

i.A. Karl-Ulrich Fuchs

German National Library of Science and Technology (TIB)  
Document Delivery  
Welfengarten 1 B  
30167 Hannover  
Germany  
[customerservice@tib.eu](mailto:customerservice@tib.eu)  
[www.tib.eu](http://www.tib.eu)

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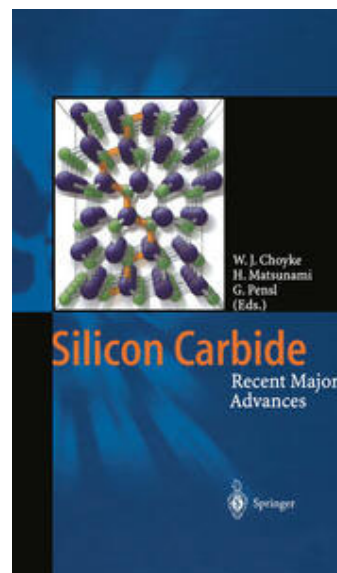
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084  aUQ 85002rvk0(DE-625)rvk/146599:
084  a33.612bkl
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245 10aSilicon carbidebrecent major advances ; with 82 tablesW. J.
Choyke ... (eds.)
264 1aBerlinaHeidelberg [u.a.]bSpringerc2004
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336  aTextbtxt2rdacontent
337  aohne Hilfsmittel zu benutzenbn2rdamedia
338  aBandbnc2rdacarrier
490 0  aAdvanced texts in physics
490 0  aPhysics and astronomy online library
500  aIncludes bibliographical references and index
583 1  aArchivierung/Langzeitarchivierung gewährleistetfPEBW2pdager5DE-31

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 aSiliciumcarbid2gnd  
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 924 0 a943857007bDE-1049104cGBVddg CL 19 : INW19 13-297h104/19  
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 924 0 a728791579bDE-7009700cGBVdcgUIX / ChohN  
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 924 0 a3127339755bDE-21-10921/10cBSZdbgTechnische Mineralogie / cho-  
 hBibliothek 2 / Wilhelmstr. 56 (Handapparat:  
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 924 0 a3127340222bDE-Stg1139Stg 113cBSZdbgUP 3100 C552 S5  
 924 0 a3127340230bDE-Stg1139Stg 113cBSZdbgUP 3100 C552 S5+2  
 924 0 a312734029XbDE-D1209D 120cBSZdc  
 935 iBlocktest  
 936 rvaUP 3100bHalbleitermaterialien, AllgemeineskFestkörperphysik-  
 kHalbleiterphysik,  
 HalbleitertheoriekHalbleitermaterialienkHalbleitermaterialien,  
 Allgemeines0 (DE-627) 12714770760 (DE-625) rvk/146372:0 (DE-576) 201477076  
 936 rvaUQ 8500bKeramische Werkstoffe (Oxide, Karbide)-  
 kMaterialwissenschaftkKeramische Werkstoffe (Oxide,  
 Karbide)0 (DE-627) 12714855160 (DE-625) rvk/146599:0 (DE-576) 201485516  
 936 bka33.61jFestkörperphysik0 (DE-627) 106419145  
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 041 \$aeng  
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 050 0\$aQC611.8.S5S55 2004  
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 084 \$a33.72\$2bkl  
 245 10\$aSilicon carbide\$bRecent major advances ; with  
 82 tables\$cW. J. Choyke ... (eds.)  
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 336 \$aText\$btxt\$2rdacontent  
 337 \$aohne Hilfsmittel zu benutzen\$bn\$2rdamedia  
 338 \$aBand\$bnc\$2rdacarrier  
 490 0 \$aAdvanced texts in physics  
 490 0 \$aPhysics and astronomy online library  
 500 \$aIncludes bibliographical references and index  
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